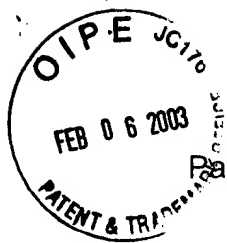


Name	Probe Sequence (5' - 3')	Target region* rRNA	Binding Specificity
Hpyl-16S-753	GCTTTCGCGCAATCAGCG SEQ ID No:5	753-770 (16S)	H. pylori
120 b	AGGCACATGATCTATGCG SEQ ID No:6	120-137 (16S)	H. pylori
Hpyl-16S-585	CACACCTGACTGACTATCCCG SEQ ID No:7	585-605 (16S)	H. pylori H. nemestrinae
Hpyl-16S-219	GGACATAGGCTGATCTCTTAGC SEQ ID No:8	219-240 (16S)	H. pylori
Hh1	CCCACACTCCAGAAG (G/A) ATAG SEQ ID No:9	644-663 (16S)	H. heilmannii
Hh2	CCCACACTCTAGGGTT (G/T) GCAG SEQ ID No:10	644-664 (16S)	H. heilmannii
Hh3	CCCACACTCTAGAAAGATAG SEQ ID No:11	644-663 (16S)	H. heilmannii
Hh4	CACATCTGACTTGCCACCCCG SEQ ID No:12	585-605 (16S)	H. heilmannii
ClaR1	CGGGGTCTTCCCGTCTT SEQ ID No:1	2051-2067 (23S)	A2058G (Cla <sup>R</sup> )
ClaR2	CGGGGTCTCTCCGTCTT SEQ ID No:2	2051-2067 (23S)	A2059G (Cla <sup>R</sup> )
ClaR3	CGGGGTCTTGCCGTCTT SEQ ID No:3	2051-2067 (23S)	A2058C (Cla <sup>R</sup> )
ClaWT	CGGGGTCTTTCCGTCTT SEQ ID No:4	2051-2067 (23S)	Wild type (Cla <sup>R</sup> )



Page 41, please delete table 7 and insert the following new table 7:

Table 7:

Comparison of the 23S rRNA sequences of various bacterial species within the clarithromycin resistance region

Probe sequence		5'-CGGGGTCTTTCCGTCTT-3' SEQ ID No:4
rRNA sequence	mis	5'-AAGACGGAAGACCCCG-3' SEQ ID No:13
<i>Helicobacter pylori</i> clwT	0	ACCCGCGGC-----UGGACCUUU
<i>Helicobacter pylori</i> clwR1	1	ACCCGCGGC-----C-----UGGACCUUU
<i>Helicobacter pylori</i> clwR2	1	ACCCGCGGC-----C-----UGGACCUUU
<i>Helicobacter pylori</i> clwR3	1	ACCCGCGGC-----C-----UGGACCUUU
<i>Campylobacter jejuni</i>	0	ACCCGCGGC-----UGGACCUUU
<i>Campylobacter coli</i>	0	ACCCGCGGC-----UGGACCUUU
<i>Wolinella succinogenes</i>	0	ACCCGCGGC-----UGGACCUUU
<i>Nannocystis exedens</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Escherichia coli</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Salmonella typhi</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Enterobacter cloacae</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Citrobacter freundii</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Klebsiella pneumoniae</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Yersinia pestis</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Plesiomonas shigelloides</i>	0	ACCCGCGGC-----UGAACCUUU
<i>Haemophilus influenzae</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Vibrio vulnificus</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Aeromonas hydrophila</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Pseudomonas aeruginosa</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Acinetobacter calcoaceticus</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Neisseria meningitidis</i>	1	ACCCGCGGC-U-----UGAACCUUU
<i>Bordetella pertussis</i>	2	ACCCGCGGC-U-----A-UGAACCUUU
<i>Bartonella bacilliformis</i>	1	UCCUGCGGU-U-----UGCACCUUU
<i>Rickettsia rickettsii</i>	1	UCCUGCGGU-C-----UGAACCUUU
<i>Borrelia burgdorferi</i>	1	ACUUGUGGU-U-----UGAACCUUU
<i>Leptospirillum ferrugineum</i>	2	CCCCGCGGC-U-----U-UGCACCUUU
<i>Listeria monocytogenes</i>	1	ACCCGCGAC--G-----UGGAGCUUU
<i>Staphylococcus aureus</i>	1	ACCCGCGAC--G-----UGGAGCUUU
<i>Bacillus anthracis</i>	1	ACCCGCGAC--G-----N-UGGAGCUUU
<i>Mycoplasma hyopneumoniae</i>	1	ACCCGCAUC-----A-----UGGAGCUUU
<i>Mycoplasma pneumoniae</i>	2	AGGCGCAAC--GG-----UGAAGCUUU
<i>Streptococcus parauberis</i>	2	ACCCGCGAC--G-----A-UGGAGCUUU
<i>Lactococcus lactis</i>	2	ACCCGCGAC--G-----A-UGGAGCUUU
<i>Enterococcus faecalis</i>	2	ACCCGCGAC--G-----A-UGGAGCUUU
<i>Clostridium botulinum</i>	2	ACCCGCGAU--UG-----UAGAGCUUU
<i>Streptomyces griseus</i>	1	UCGCGCAGC--G-----GGACCUUUA
<i>Micrococcus luteus</i>	1	ACGCGCAGA--G-----UGACCUUUA
<i>Corynebacterium glutamicum</i>	1	ACGCGCGGC--G-----GGACCUUCA
<i>Gardnerella vaginalis</i>	1	AAGCGCAGA--G-----GGACCUUUA
<i>Mycobacterium leprae</i>	2	ACGUGCGGC--G-----A-----GGACCUUCA
<i>Bifidobacterium bifidum</i>	2	AAGCGCAGA--G-----A-----GGACCUUUA
<i>Chlamydia trachomatis</i>	2	ACCCGCGAA--G-----A-----UGAACCUUU
<i>Chlamydia pneumoniae</i>	2	CCCCGCAAA--G-----A-----UGAACCUUU
<i>Bacteroides fragilis</i>	3	ACCCGCGAU--GG-----A-----UGAACCUUU